

# Exhibit 14

# Materials Test Report

Test run on Shaft Technology Group's Instron Universal Tester Model 4502

Data acquired and analyzed using LabView2 for Macintosh. Vers. 1.1

Operator: TAS of the Shaft Technology group

Test Date: Tuesday, March 15, 1994

Material/Lot #/Part #/Ext #  
Filler/Additive/Ext Mandrel?  
Test Temp/MegRads/KeV  
Necked?/Necking Method  
Expanded?/Heat Stabilized?  
If Neckd I Expnd Original ID/OD  
Stabliz Temp/Time/Cath Name

PEEK/Unk/Unk/Acutech  
None/None/Unk  
37 C/0/0  
No/NA  
No/No  
NA/NA  
NA/NA/Low Profile Shaft

Test Method: Plastics Modulus

Data File: PEEK Acutech Ten Mod

CrossHead Speed: 1.000 in/min

Stress at  
offset  
yield 1

Strain at  
offset  
yield 1

Energy to  
offset  
yield 1

Slope

Elastic  
Modulus

Cross-  
Sectional  
Area

#	(psi)	(in/in)	(in*lbs)	(lbs/in)	(psi)	(sq. in)
1	8.90E3	2.93E-2	5.98E-1	1.59E1	4.08E5	3.90E-4
2	8.87E3	2.85E-2	5.80E-1	1.65E1	4.23E5	3.90E-4
3	9.16E3	3.21E-2	6.78E-1	1.45E1	3.72E5	3.90E-4
4	8.89E3	2.86E-2	5.83E-1	1.64E1	4.20E5	3.90E-4
5	8.93E3	2.91E-2	5.96E-1	1.61E1	4.13E5	3.90E-4
Ave	8.95E3	2.95E-2	6.07E-1	1.59E1	4.07E5	3.90E-4
SD	1.21E2	1.49E-3	4.04E-2	8.01E-1	2.05E4	0.00E0

Excluded Specimens:

Report continued for file: PEEK Acutech Ten Mod

Gauge  
Length

Inner  
Diameter

Outer  
Diameter

#	(in)	(in)	(in)
1	1.00E1	3.25E-2	3.94E-2
2	1.00E1	3.25E-2	3.94E-2
3	1.00E1	3.25E-2	3.94E-2
4	1.00E1	3.25E-2	3.94E-2
5	1.00E1	3.25E-2	3.94E-2
Ave	1.00E1	3.25E-2	3.94E-2
SD	0.00E0	0.00E0	0.00E0

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Filler/Additive/Ext Mandrel?  
Test Temp/MegRads/KeV  
Necked?/Necking Method  
Expanded?/Heat Stabilized?  
If Neckd I Expnd Original ID/OD  
Stabliz Temp/Time/Cath Name

PEEK/Unk/Unk/10-543  
None/None/Unk  
37 C/0/0  
No/NA  
No/No  
NA/NA  
NA/NA/Low Profile Shaft

Test Method: Plastics Modulus

Data File: 10-543 BT Ten Mod

CrossHead Speed: 1.000 in/min

Stress at  
offset  
yield 1

Strain at  
offset  
yield 1

Energy to  
offset  
yield 1

Slope

Elastic  
Modulus

Cross-  
Sectional  
Area

#	(psi)	(in/in)	(in*lbs)	(lbs/in)	(psi)	(sq. in)
1	7.23E3	2.65E-2	3.14E-1	1.03E1	3.80E5	2.71E-4
2	7.33E3	2.71E-2	3.25E-1	1.01E1	3.74E5	2.71E-4
3	7.26E3	2.64E-2	3.15E-1	1.04E1	3.84E5	2.71E-4
4	7.29E3	2.61E-2	3.12E-1	1.06E1	3.91E5	2.71E-4
5	7.21E3	2.61E-2	3.09E-1	1.05E1	3.89E5	2.71E-4
Ave	7.26E3	2.64E-2	3.15E-1	1.04E1	3.84E5	2.71E-4
SD	4.51E1	4.11E-4	6.12E-3	1.86E-1	6.85E3	0.00E0

Excluded Specimens:

Report continued for file: 10-543 BT Ten Mod

Gauge  
Length

Inner  
Diameter

Outer  
Diameter

#	(in)	(in)	(in)
1	1.00E1	3.20E-2	3.70E-2
2	1.00E1	3.20E-2	3.70E-2
3	1.00E1	3.20E-2	3.70E-2
4	1.00E1	3.20E-2	3.70E-2
5	1.00E1	3.20E-2	3.70E-2
Ave	1.00E1	3.20E-2	3.70E-2
SD	0.00E0	0.00E0	0.00E0

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Material/Lot #/Part #/Ext #  
Filler/Additive/Ext Mandrel?  
Test Temp/MegRads/KeV  
Necked?/Necking Method  
Expanded?/Heat Stabilized?  
If Neckd I Expnd Original ID/OD  
Stabliz Temp/Time/Cath Name

PEEK/Unk/Unk/10-544-1  
None/None/Unk  
37 C/0/0  
No/NA  
No/No  
NA/NA  
NA/NA/Low Profile Shaft

Test Method: Plastics Modulus

Data File: 10-544-1 BT Ten Mod

CrossHead Speed: 1.000 in/min

Stress at  
offset  
yield 1

Strain at  
offset  
yield 1

Energy to  
offset  
yield 1

Slope

Elastic  
Modulus

Cross-  
Sectional  
Area

#	(psi)	(in/in)	(in*lbs)	(lbs/in)	(psi)	(sq. in)
1	6.47E3	2.61E-2	1.73E-1	5.85E0	3.48E5	1.68E-4
2	6.47E3	2.55E-2	1.69E-1	6.06E0	3.60E5	1.68E-4
3	6.72E3	2.77E-2	1.92E-1	5.61E0	3.33E5	1.68E-4
4	6.59E3	2.79E-2	1.87E-1	5.44E0	3.23E5	1.68E-4
5	6.69E3	2.67E-2	1.82E-1	5.85E0	3.47E5	1.68E-4
Ave	6.59E3	2.68E-2	1.81E-1	5.76E0	3.42E5	1.68E-4
SD	1.17E2	1.02E-3	9.55E-3	2.39E-1	1.42E4	0.00E0

Excluded Specimens:

Report continued for file: 10-544-1 BT Ten Mod

Gauge  
Length

Inner  
Diameter

Outer  
Diameter

#	(in)	(in)	(in)
1	1.00E1	1.80E-2	2.32E-2
2	1.00E1	1.80E-2	2.32E-2
3	1.00E1	1.80E-2	2.32E-2
4	1.00E1	1.80E-2	2.32E-2
5	1.00E1	1.80E-2	2.32E-2
Ave	1.00E1	1.80E-2	2.32E-2
SD	0.00E0	0.00E0	0.00E0